

WHAT IS CLAIMED IS:

1. A separator for a fuel cell made of a molded body produced by filling a molding die with a graphite powder coated with phenol resin on the surface and molding the powder by applying pressure into a prescribed separate shape.

2. The separator for fuel cell according to claim 1, wherein said molded body has characteristic properties as a material of 10 to 24 wt.% of the resin content, 40 MPa of bending strength or higher, 10×10^{-8} cc·cm/cm²·sec·atm of gas permeability or lower, and $10 \times 10^{-3} \Omega \cdot \text{cm}$ of the volume resistance or lower.

3. A manufacture method of a separator for a fuel cell comprising a step of pressure molding a graphite powder with the average particle diameter of 15 to 125 μm and coated with resin on the surface into a prescribed separator shape at the molding pressure of 100 to 1,000 kg/cm² and the molding temperature of 120 to 240°C.